

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: To Be Assigned
Applicant: Kunihiro Nakamura et al.
Filed: Herewith
Title: VARIABLE CAPACITOR AND METHOD FOR MANUFACTURING SAME

TC/A.U.: To Be Assigned
Examiner: To Be Assigned
Confirmation No.: To Be Assigned
Docket No.: MAT-8441US

INFORMATION DISCLOSURE STATEMENT***Mail Stop PATENT APPLICATION***

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R :

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (R&P) submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The following Japanese references are not in the English language:

- 1) 10-070040
- 2) 09-063890

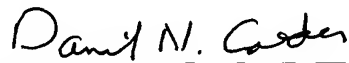
Reference 1) includes an English language abstract and Reference 2) has a counterpart application attached.

Further, a "concise explanation" under 37 CFR § 1.98(a)(3) for

Reference 2) and for the Reference "A Micromachined RF Microswitch Applicable to Phased-Array Antennas", 1999 IEEE MTT-S Digest, pp. 1923-1926, are set forth in the specification.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,




Lawrence E. Ashery, Reg. No. 34,515
Daniel N. Calder, Reg. 27,424
Attorneys for Applicants

DNC/fp

Enclosures: PTO Form 1449
Copies of (4) References

Dated: July 24, 2003

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(610) 407-0700

<p>The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.</p>	<p>EXPRESS MAIL: Mailing Label Number: EV 331 707 707 US Date of Deposit: July 24, 2003</p> <p>I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p> KATHLEEN LIBBY</p>
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Substitute for Form 1449/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;"><i>(Use as many sheets as necessary)</i></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center; padding: 5px;">Complete if Known</th> </tr> <tr> <td style="width: 50%; padding: 5px;">Application Number</td> <td style="width: 50%; padding: 5px;">To Be Assigned</td> </tr> <tr> <td style="padding: 5px;">Filing Date</td> <td style="padding: 5px;">July 25, 2003</td> </tr> <tr> <td style="padding: 5px;">First Named Inventor</td> <td style="padding: 5px;">Kunihiko Nakamura et al.</td> </tr> <tr> <td style="padding: 5px;">Art Unit</td> <td style="padding: 5px;">To Be Assigned</td> </tr> <tr> <td style="padding: 5px;">Examiner Name</td> <td style="padding: 5px;">To Be Assigned</td> </tr> <tr> <td style="padding: 5px;">Attorney Docket No.</td> <td style="padding: 5px;">MAT-8441US</td> </tr> </table>	Complete if Known		Application Number	To Be Assigned	Filing Date	July 25, 2003	First Named Inventor	Kunihiko Nakamura et al.	Art Unit	To Be Assigned	Examiner Name	To Be Assigned	Attorney Docket No.	MAT-8441US
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SHEET 1 of 2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,818,683 A (with counterpart JP 09-063890)	10/06/98	Fujii	Entire document

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		JP 09-063890 (with counterpart US 5,818,683)	10/06/98		Entire document	<input type="checkbox"/>
		JP 10-070040 (with English abstract)	03/10/98	MURATA MFG CO LTD	Entire document	<input type="checkbox"/>
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Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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	Filing Date	July 25, 2003
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	Art Unit	To Be Assigned
	Examiner Name	To Be Assigned
SHEET 2 of 2	Attorney Docket No.	MAT-8441US

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Kenichiro Suzuki et al., "A Micromachined RF Microswitch Applicable to Phased-Array Antennas", 1999 IEEE MTT-S Digest, pp. 1923-1926	<input type="checkbox"/>
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